

Amendments to the Claims

1. (Currently Amended) A command and control system for a plurality of turbogenerators, comprising:

a plurality of individual turbogenerators, each of said plurality of individual turbogenerators having a controller;

a command and control system bus, each of said plurality of individual turbogenerator controllers operably connected to said command and control system bus;

a plurality of disconnect switches, a disconnect switch provided in each operable connection of an individual turbogenerator controller to said command and control bus;

a bi-directional power meter;

a master controller operably associated with each of the turbogenerator controllers and with said bi-directional power meter to control operational sequencing of the individual turbogenerators in a selected control mode; and

a junction box operably connecting an electric utility[;], said power meter, the output of the plurality of individual turbogenerators, and a load,

wherein said operational sequencing includes the starting, stopping and loading of each of said plurality of individual turbogenerators, and

wherein a turbogenerator is automatically restarted in the event of a fault shutdown.

2. (Original) The command and control system of claim 1, and in addition:

a timed relay operably associated with said command and control system bus, said bi-directional power meter, and said junction box to prevent the feedback of electrical power to the electric Utility.

3. (Original) The command and control system of claim 1, wherein said selected control mode is a utility load following mode in which utility power consumption and turbogenerator power generation are compared to produce an error signal which is integrated over a defined specified time to produce a power demand signal.

4. (Original) The command and control system of claim 1 wherein said selected control mode is a utility base load mode in which a defined utility power signal and the power meter signal are compared to produce an error signal which is integrated over a defined specified time to produce a power demand signal.
5. (Original) The command and control system of claim 1 wherein said selected control mode is a base load mode in which the power meter signal and a base load demand signal are compared to produce an error signal which is integrated over a defined specified time to produce a power demand signal.
6. (Cancelled)
7. (Original) The command and control system of claim 1 wherein said master controller includes a sequencing and control logic system.
8. (Original) The command and control system of claim 7 wherein said sequencing and control logic system includes a proportional-plus-integrated control to regulate power demand.
9. (Previously Amended) The command and control system of claim 6 wherein the operational sequencing is based on the use time of each of said plurality of individual turbogenerators.
10. (Original) The command and control system of claim 9 wherein the turbogenerator with the least use time is started first.
11. (Original) The command and control system of claim 9 wherein the turbogenerator with the most use time is shut down first.

12. (Amended) The command and control system of claim [6] 1 wherein the starting of each of the plurality of turbogenerators is selected to minimize the total power draw requirements.

13. (Cancelled)

14. (Amended) The command and control system of claim [6] 1 wherein an inactive turbogenerator is automatically restarted in the event of a fault shutdown of an active turbogenerator.

15. (Original) The command and control system of claim 1 wherein said selected control mode includes power hysteresis bands, rate limits and set points integrated over time.

16-24 (Cancelled)

25. (Amended) A control system for a plurality of turbogenerators, comprising:
a plurality of turbogenerators, each of said plurality of individual turbogenerators having a controller;

a control system bus, each of said plurality of turbogenerator controllers operably connected to said control system bus;

a switch provided in each operable connection of an individual turbogenerator controller to said control bus;

a power meter;

a master controller operably associated with each of the turbogenerator controllers and with the power meter to control the operational sequences for the individual turbogenerators in a selected control mode; and

a junction box operably connecting an electric utility[;], said power meter, the output of the plurality of individual turbogenerators, and a load,

wherein the operational sequences include a start sequence, a stop sequence and a load sequence, and

wherein a turbogenerator is automatically restarted in the event of a fault shutdown.

26. (Previously Added) The control system of claim 25, further comprising:
a timed relay operably associated with said control system bus, said power meter, and
said junction box to prevent the feedback of electrical power to the electric utility.
27. (Previously Added) The control system of claim 25, wherein said selected control
mode is a utility load following mode in which utility power consumption and
turbogenerator power generation are compared to produce an error signal which is integrated
over a defined specified time to produce a power demand signal.
28. (Previously Added) The control system of claim 25 wherein said selected control
mode is a utility base load mode in which a defined utility power signal and the power meter
signal are compared to produce an error signal which is integrated over a defined specified
time to produce a power demand signal.
29. (Previously Added) The control system of claim 25 wherein said selected control
mode is a base load mode in which the power meter signal and a base load demand signal
are compared to produce an error signal which is integrated over a defined specified time
to produce a power demand signal.
30. (Cancelled)
31. (Previously Added) The control system of claim 25 wherein said master controller
includes a sequencing and control logic system.
32. (Previously Added) The control system of claim 31 wherein said sequencing and
control logic system includes a proportional-plus-integrated control to regulate power
demand.
33. (Amended) The control system of claim [30] 25 wherein the start sequence is based
on the use time of each of said plurality of individual turbogenerators.

34. (Previously Added) The control system of claim 33 wherein the turbogenerator with the least use time is started first.
35. (Previously Added) The control system of claim 33 wherein the turbogenerator with the most use time is shut down first.
36. (Amended) The control system of claim [30] 25 wherein the start sequence of each of the plurality of turbogenerators is selected to minimize the total power draw requirements.
37. (Cancelled)
38. (Amended) The control system of claim [30] 25 wherein an inactive turbogenerator is automatically restarted in the event of a fault shutdown of an active turbogenerator.
39. (Amended) The control system of claim [1] 25 wherein said selected control mode includes power hysteresis bands, rate limits and set points integrated over time.
40. (Previously Added) The control system of claim 25 wherein the switch is a disconnect switch.
41. (Previously Added) The control system of claim 25 wherein the power meter is a bi-directional power meter.